



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26th Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/pera/

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "820" Aluminum Fixed Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. **4246-5** titled "Mid-Rise Alum. Picture Window (SM. Missile)", sheets 1 through 6 of 6, prepared by manufacturer, dated 04/17/03 with the latest revision "**B**" dated 11/19/2011, prepared by PGT Industries, Inc., dated 02/01/2012, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA No. **08-0429.09** and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
2/16/12

NOA No. 11-1114.12
Expiration Date: July 24, 2013
Approval Date: February 16, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's No. 03-0508.01)
2. Drawing No. 4246-5 titled "Mid-Rise Alum. Picture Window (SM. Missile)", sheets 1 through 6 of 6, prepared by manufacturer, dated 04/17/03 with the latest revision "B" dated 11/19/2011, prepared by PGT Industries, Inc., dated 02/01/2012, signed and sealed by Anthony Lynn Miller, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of an aluminum picture window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s FTL-3765, FTL-3767 and FTL-3738, dated 08/09/2002 and 04/01/2003, all signed and sealed by Joseph C. Chan, P. E.

(Submitted under NOA No. 03-0508.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by PGT Industries, Inc., dated 04/16/07, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 08-0429.09)
2. Complies with ASTM E1300-98/ 04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. 11-0624.01 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 09/08/11, expiring on 12/11/16.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.12
Expiration Date: July 24, 2013
Approval Date: February 16, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

3. Notice of Acceptance No. **11-0325.05** issued to **Solutia, Inc.** for their "**Saflex – Clear or colored Interlayer**" dated 04/21/11, expiring on 04/21/16.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2007 (with the 2009 supplement) and FBC-2010, dated 10/26/11, signed and sealed by Anthony Lynn Miller, P. E.
2. Statement letter of no financial interest and independence, dated 10/26/11, signed and sealed by Anthony Lynn Miller, P. E.
3. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15-27.001 of the F.B.P.E., dated 10/07/11 signed and sealed by Anthony Lynn Miller, P. E.
4. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 04/24/08, signed and sealed by Robert L. Clark, P. E.
(Submitted under previous NOA No. 08-0429.02)
5. Laboratory compliance letter for Test Reports No.'s **FTL-3765, FTL-3767 and FTL-3738**, issued by Fenestration Testing Laboratory, Inc., dated 08/09/2002 and 04/01/2003, all signed and sealed by Joseph C. Chan, P. E.
(Submitted under previous NOA No. 03-0508.01)

G. OTHERS

1. Notice of Acceptance No. **08-0429.09**, issued to PGT Industries, Inc. for their Series "820 Aluminum Picture Window – Small Missile", approved on 06/26/2008 and expiring on 07/24/2013.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 11-1114.12
Expiration Date: July 24, 2013
Approval Date: February 16, 2012

SMALL MISSILE IMPACT EQUAL LEG PICTURE WINDOW

1. GLAZING OPTION: 7/16" LAMINATED GLASS CONSISTING OF (2) LITES OF 3/16" TEMPERED GLASS WITH A .090 PVB INTERLAYER OF DUPONT BUTACITE PVB OR SAFLEX/KEEPSAFE MAXIMUM.

2. DESIGN PRESSURE RATING: SEE TABLE 1

A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLE ASTM E 1300-02.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLE ASTM E 1300-02.

3. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

ANCHOR TYPES:

1) #12 STEEL (G5) SCREW, 2) 1/4" ELCO TAPCON, 3) 1/4" ELCO SS4 CRETE-FLEX

6" MAX. FROM CORNERS AND MAX. O.C. SPACING FROM TABLE 1. SEE SHEET 6 FOR ADDITIONAL ANCHORAGE INFORMATION,

4. SHUTTER REQUIREMENT: MIAMI-DADE COUNTY APPROVED SHUTTERS ARE ONLY REQUIRED AT INSTALLATIONS BELOW 30 FEET. (NONE REQUIRED AT INSTALLATIONS ABOVE 30 FT. GRADE)

5. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME AND ON THE OUTSIDE OF FRAME TO SEAL EXPOSED SCREWS.

6. MAXIMUM WINDOW AREA NOT TO EXCEED 32 SQ. FT. (DLO = 27.88 SQ. FT.) AND DIMENSIONS OF 48" BY 96".

7. REFERENCES: TEST REPORTS, FTL-3538, FTL-3765 AND FTL-3767

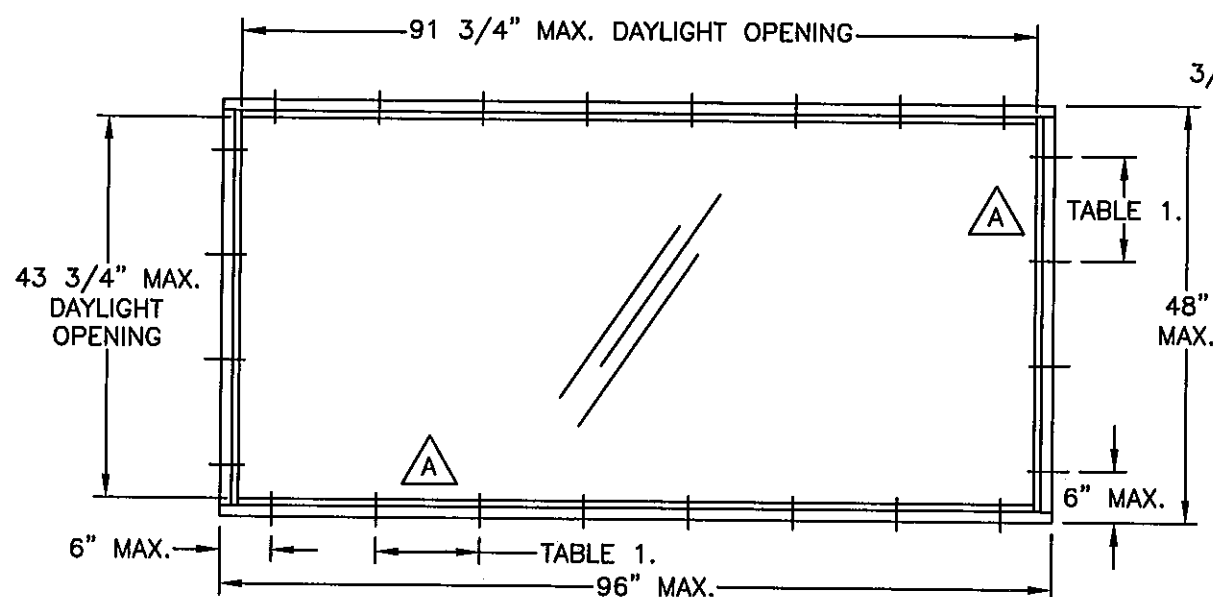
ELCO TEXTRON NOA: 04-0721.01, 03-0225.05

ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION

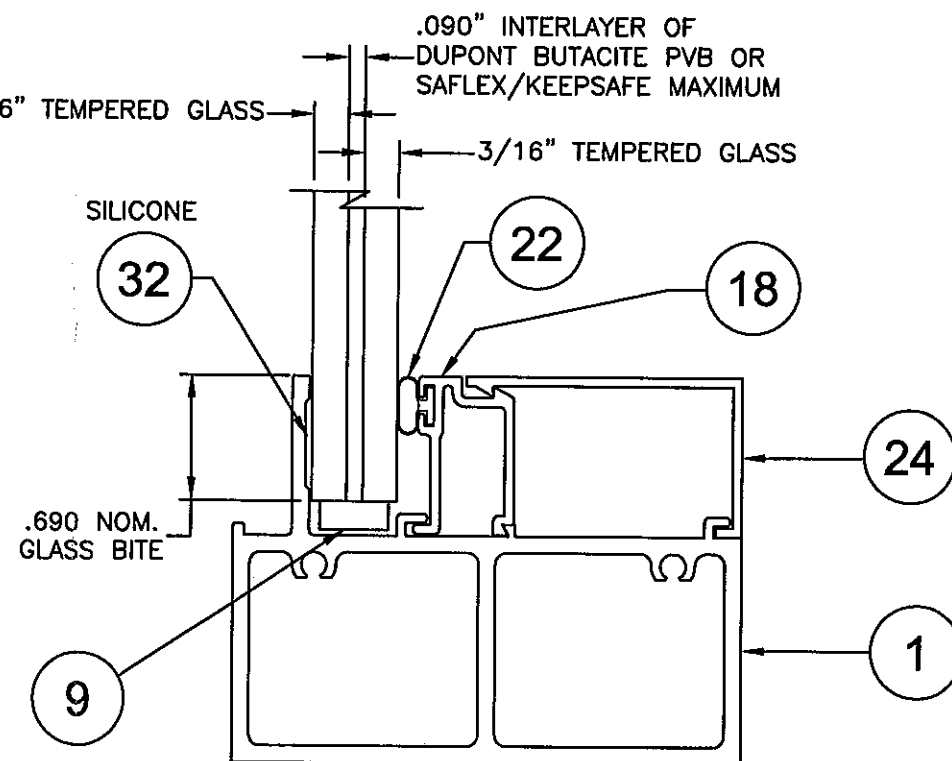
ADM-2005 ALUMINUM DESIGN MANUAL

8. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

SUBSTRATE:	DESIGN PRESSURE		ANCHOR MAX ON-CENTER DIMENSION	
	+110.0		-140.0	
	WOOD		CONCRETE	
ANCHOR TYPE:	1	3	2	3
O.C. DIM.	7 11/16"	9 3/8"	12"	12"

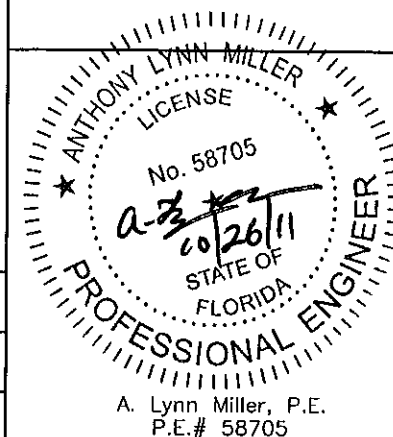


ELEVATION



GLAZING DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114.12
Expiration Date 07/24/2013
By *[Signature]*
Miami Dade Product Control

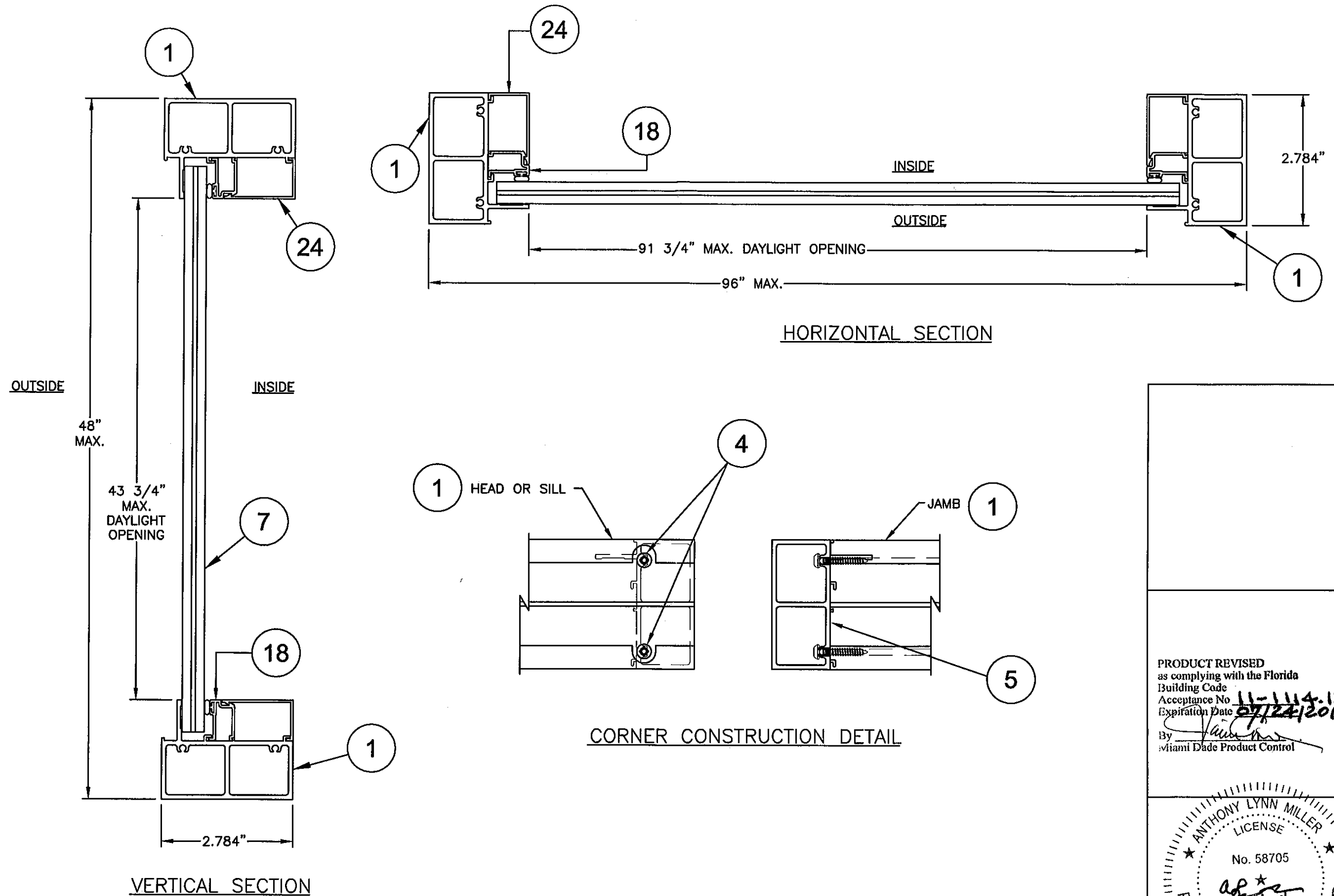


Revised By:	Date:	Revisions:	
J.J.	11/19/11	B	2010 FBC UPDATE
F.K.	4/12/07	A	UPDATE NOTES AND REVISE ANCHORAGE
F.K.	4/17/03		

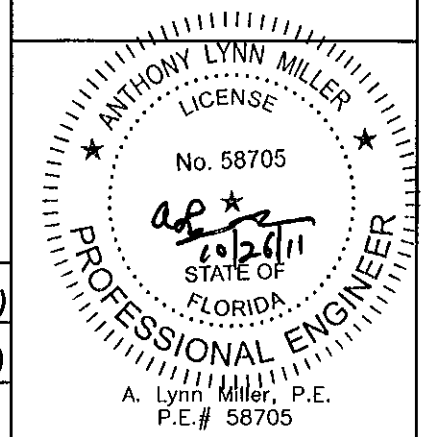
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274




Description:				
ELEVATION, GLAZING & NOTES (EQUAL LEG)				
Title:				
MID-RISE ALUM. PICTURE WINDOW (SM. MISSILE)				
Series/Model:	Scale:	Sheet:	Drawing No.	Rev:
PW-820	NTS	1 of 6	4246-5	B



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114-12
Expiration Date 07/24/2013
By *[Signature]*
Miami Dade Product Control



Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275 P.O. BOX 1529 NOKOMIS, FL 34274	 <i>Visibly Better</i>	Description: SECTIONS & CORNER ASSEMBLY (EQUAL LEG)					
Revsd By:	Date:	Revisions:				Title: MID-RISE ALUM. PICTURE WINDOW (SM. MISSILE)					
Revsd By:	Date:	Revisions:									
Drawn By:	Date:	Checked By:	Date:								
J.J.	11/19/11	B	NO CHANGE THIS SHEET			Series/Model:	Scale:	Sheet:	Drawing No.	Rev:	
F.K.	4/12/07	A	NO CHANGE THIS SHEET			PW-820	NTS	2 of 6	4246-5	B	
F.K.	4/17/03										

SMALL MISSILE IMPACT FLANGED PICTURE WINDOW

1. GLAZING OPTIONS: 7/16" LAMINATED GLASS CONSISTING OF (2) LITES OF 3/16" TEMPERED GLASS WITH A .090 PVB INTERLAYER OF DUPONT BUTACITE PVB OR SAFLEX/KEEPSAFE MAXIMUM.

2. DESIGN PRESSURE RATING: SEE TABLE 2

A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLE ASTM E 1300-02.

B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLE ASTM E 1300-02.

3. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION.

ANCHOR TYPES:

1) #12 STEEL(G5) SCREW, 2) 1/4" ELCO TAPCON, 3) 1/4" ELCO SS4 CRETE-FLEX

6 1/2" MAX. FROM CORNERS AND MAX. O.C. SPACING FROM TABLE 2. SEE SHEET 6 FOR ADDITIONAL ANCHORAGE INFORMATION,

4. SHUTTER REQUIREMENT: MIAMI-DADE COUNTY APPROVED SHUTTERS ARE ONLY REQUIRED AT INSTALLATIONS BELOW 30 FEET. (NONE REQUIRED AT INSTALLATIONS ABOVE 30 FT. GRADE)

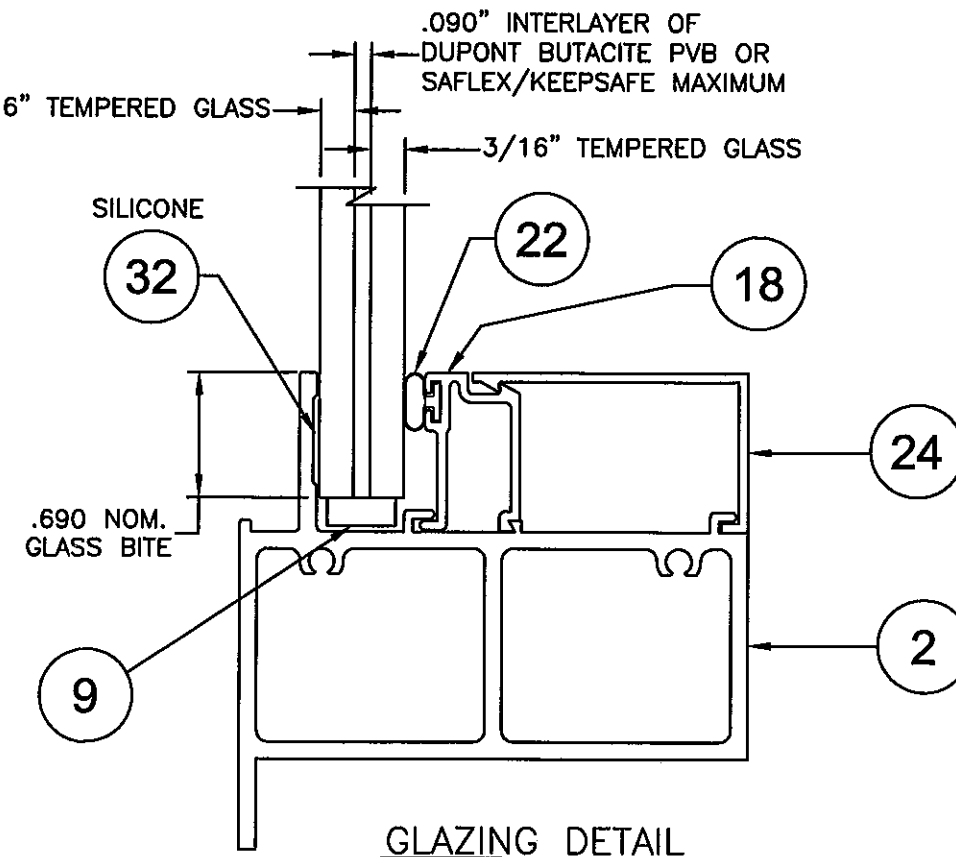
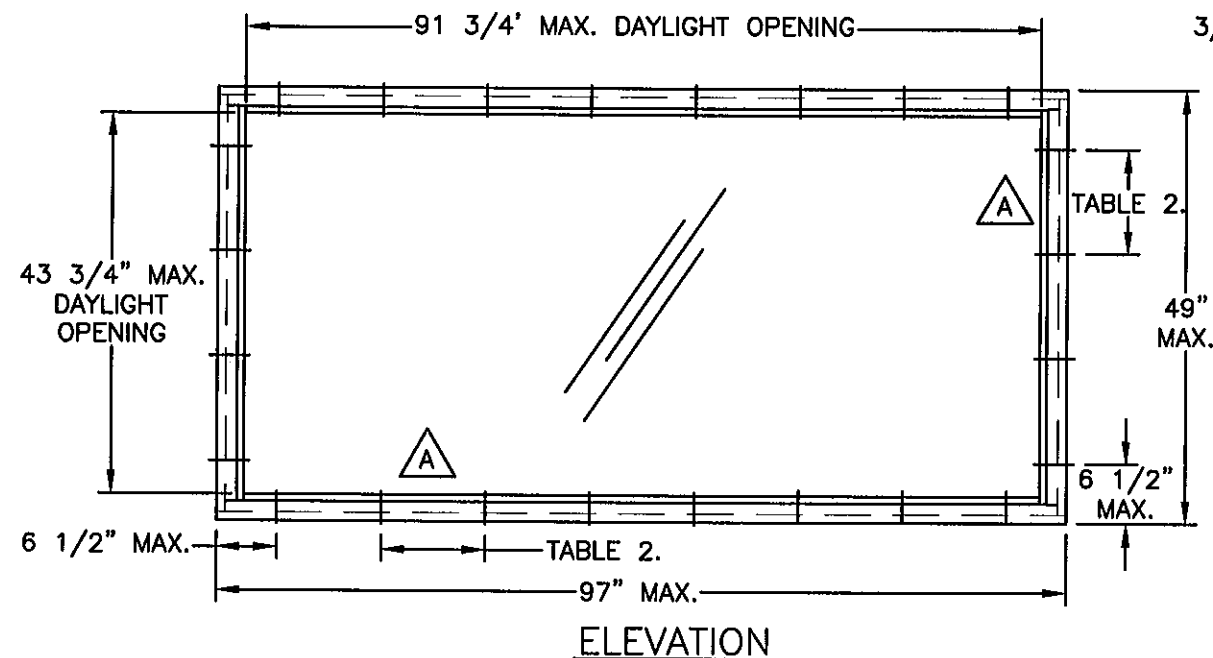
5. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME AND ON THE OUTSIDE OF FRAME TO SEAL EXPOSED SCREWS.

6. MAXIMUM WINDOW AREA NOT TO EXCEED 33 SQ. FT. (DLO = 27.88 SQ. FT.) AND TIP-TO-TIP DIMENSIONS OF 49" BY 97".

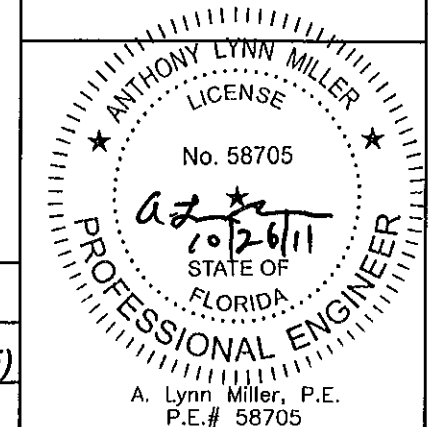
7. REFERENCES: TEST REPORTS, FTL-3538 AND FTL-3767
ELCO TEXTRON NOA: 04-0721.01, 03-0225.05
ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION
ADM-2005 ALUMINUM DESIGN MANUAL

8. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

SUBSTRATE:	DESIGN PRESSURE		ANCHOR MAX ON-CENTER DIMENSION	
	+110.0		-140.0	
	WOOD		CONCRETE	
ANCHOR TYPE:	1	3	2	3
O.C. DIM.	7 11/16"	9 3/8"	12"	12"



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114.12
Expiration Date 27/24/2013
By *[Signature]*
Miami Dade Product Control

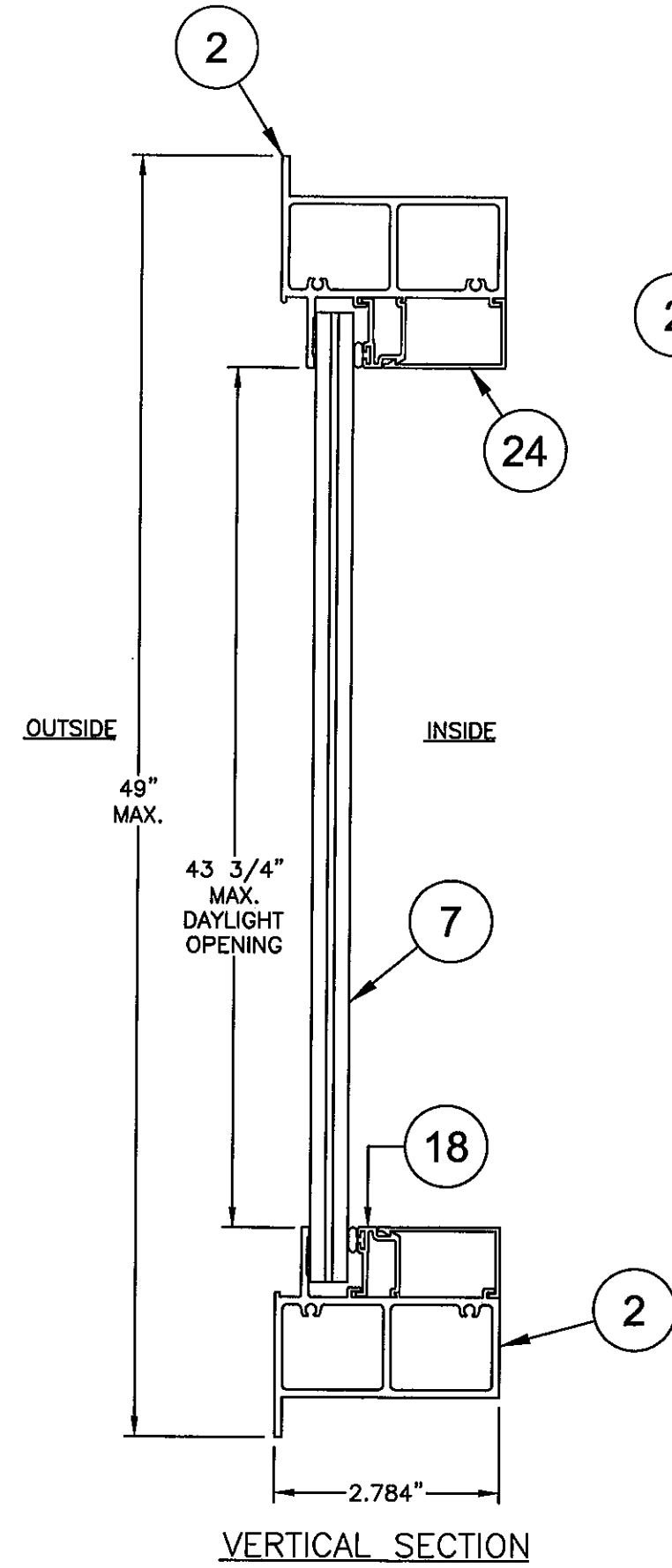


Revised By:	Date:	Revisions:
J.J.	11/19/11	B
F.K.	4/12/07	A
Drawn By:	Date:	Checked By:
F.K.	4/17/03	

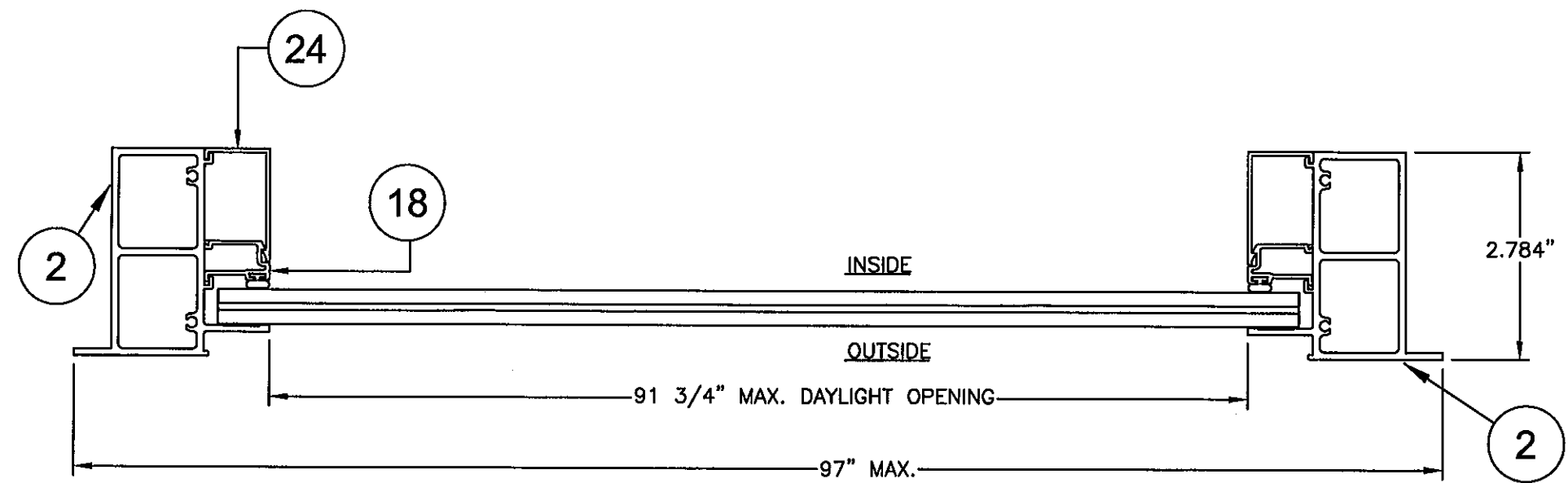
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



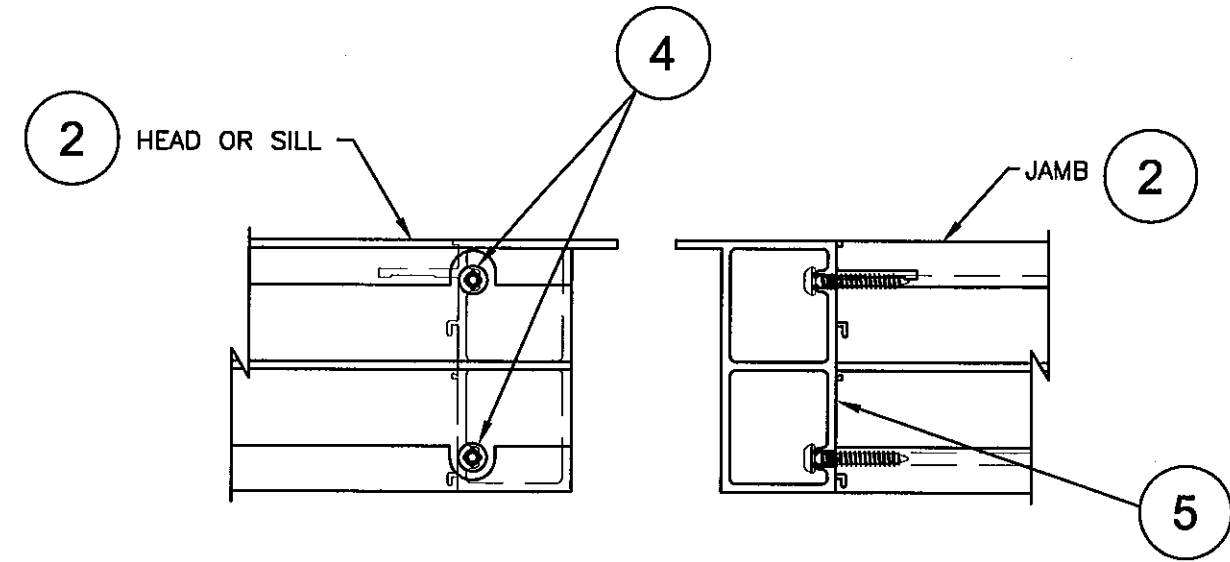
Description:			
ELEVATION, GLAZING & NOTES (FLANGED)			
Title:			
MID-RISE ALUM. PICTURE WINDOW (SM. MISSILE)			
Series/Model:	Scale:	Sheet:	Drawing No.
PW-820	NTS	3 of 6	4246-5
Rev:			B



VERTICAL SECTION

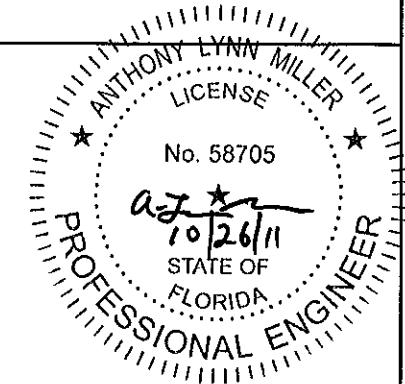


HORIZONTAL SECTION



CORNER CONSTRUCTION DETAIL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114.12
Expiration Date 07/24/2013
By *[Signature]*
Miami Dade Product Control

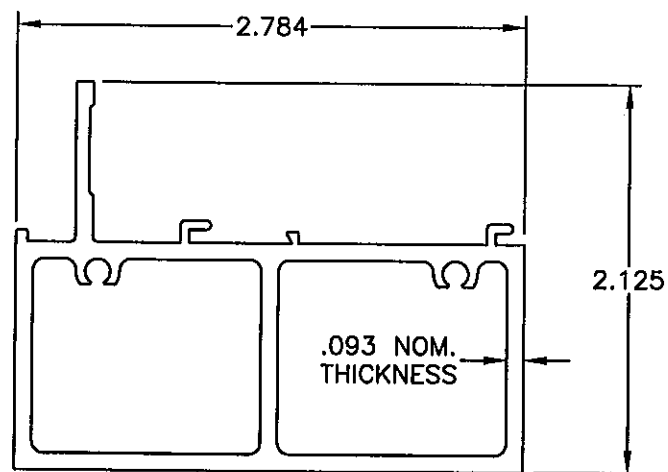


Revsd By:	Date:	Revisions:	
Revsd By: J.J.	Date: 11/19/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By: F.K.	Date: 4/12/07	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 4/17/03	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



Description:			
SECTIONS & CORNER ASSEMBLY (FLANGED)			
Title:			
MID-RISE ALUM. PICTURE WINDOW (SM. MISSILE)			
Series/Model:	Scale:	Sheet:	Drawing No.
PW-820	NTS	4 of 6	4246-5
			Rev: B

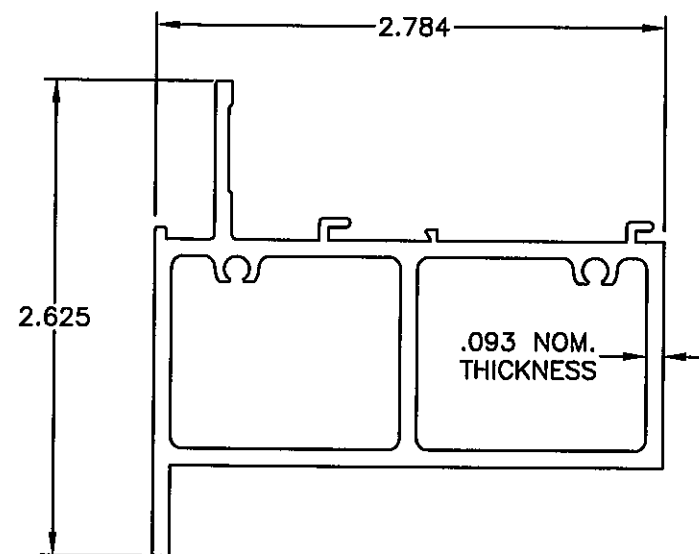


INSIDE MOUNT EQUAL

1

LEG FRAME

MAT'L: 6063-T5
DWG #4238B

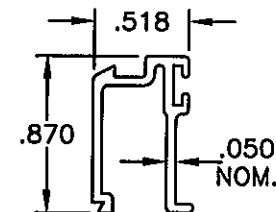


INSIDE MOUNT FLANGED

2

MAT'L: 6063-T5
DWG #4239B

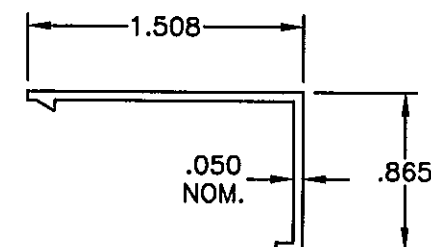
ITEM	DWG #	PGT. #	DESCRIPTION
1	4238B	64238	FRAME, INSIDE MOUNT EQUAL LEG
2	4239B	64239	FRAME, INSIDE MOUNT FLANGED
4	1155	781PQX	#8 X 1 QUAD PN SMS STAINLESS STEEL
5			SCHNEE-MOREHEAD SM5504 ACRYL-R NARROW JOINT SEALANT
7		7/16 LAMINATED	GLASS - 3/16 TEMPERED, .090 INNER LAYER, 3/16" TEMPERED
		INTERLAYER	DUPONT BUTACITE PVB
		OPTIONS:	SAFLEX/KEEPSAFE MAXIMUM
9	1265-4	712654K	SETTING BLOCK - 5/32" X 3/8" X 2" LONG
18	4251	64251	7/16 GLAZING BEAD
22	1224	6TP247	VINYL BULB WEATHERSTRIP (THICK)
24	4247	64247	TRIM COVER
32		SILICONE	DOW CORNING 899, 995 OR EQUIVALENT



7/16 GLAZING BEAD

18

MAT'L: 6063-T5
DWG #4251

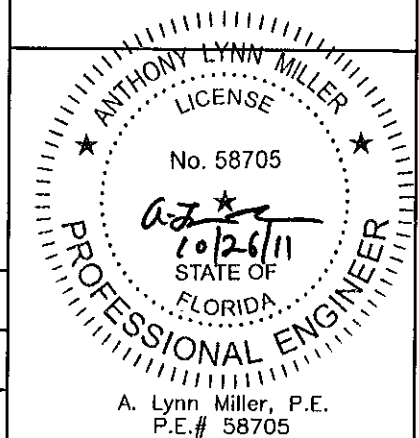


TRIM COVER

24

MAT'L: 6063-T5
DWG #4247

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114.12
Expiration Date 07/24/2013
By *[Signature]*
Miami Blade Product Control



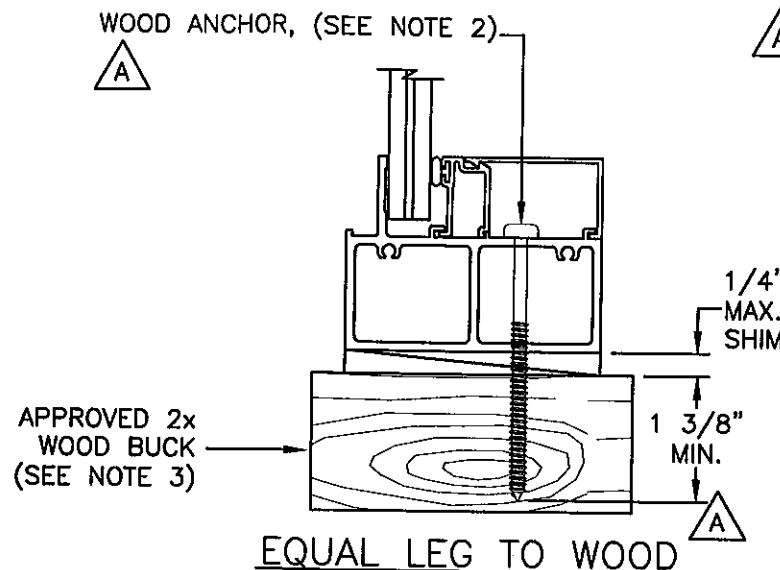
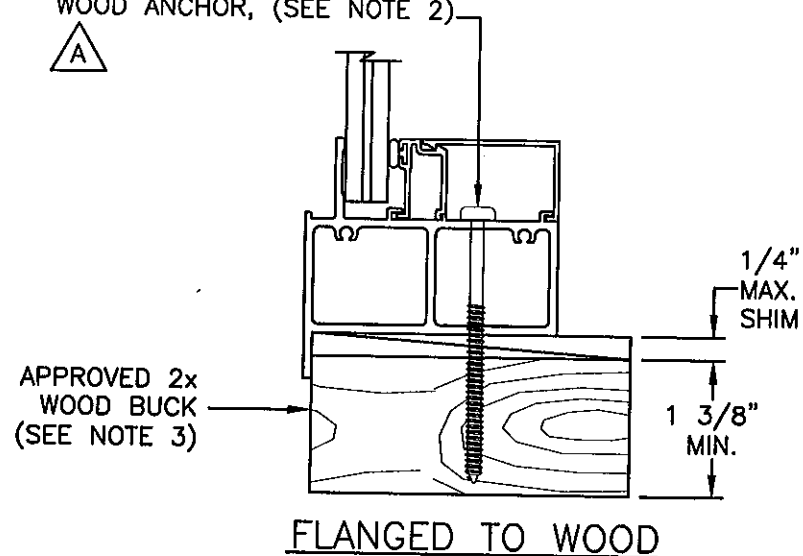
Revsd By:	Date:	Revisions:	
Revsd By: J.J.	Date: 11/19/11	Revisions: B	NO CHANGE THIS SHEET
Revsd By: F.K.	Date: 4/12/07	Revisions: A	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 4/17/03	Checked By:	Date:

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

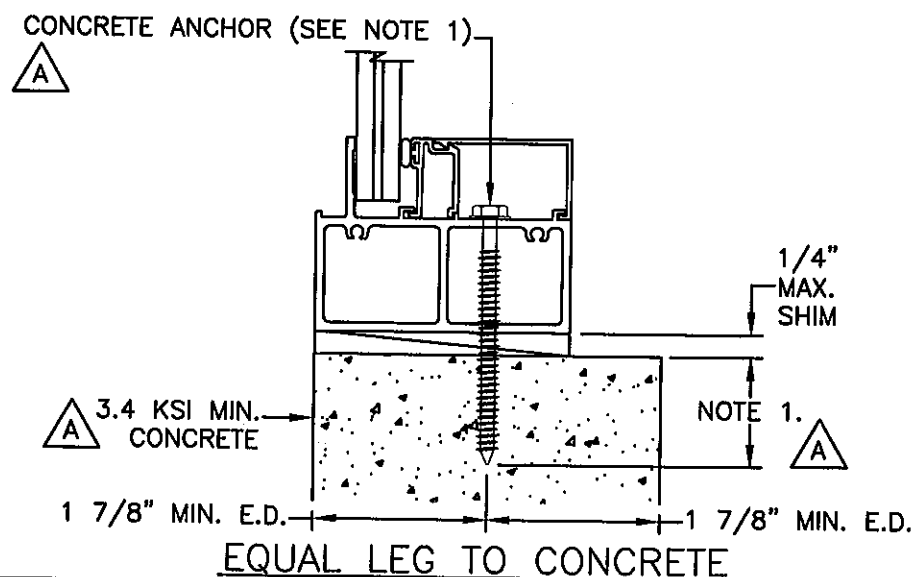
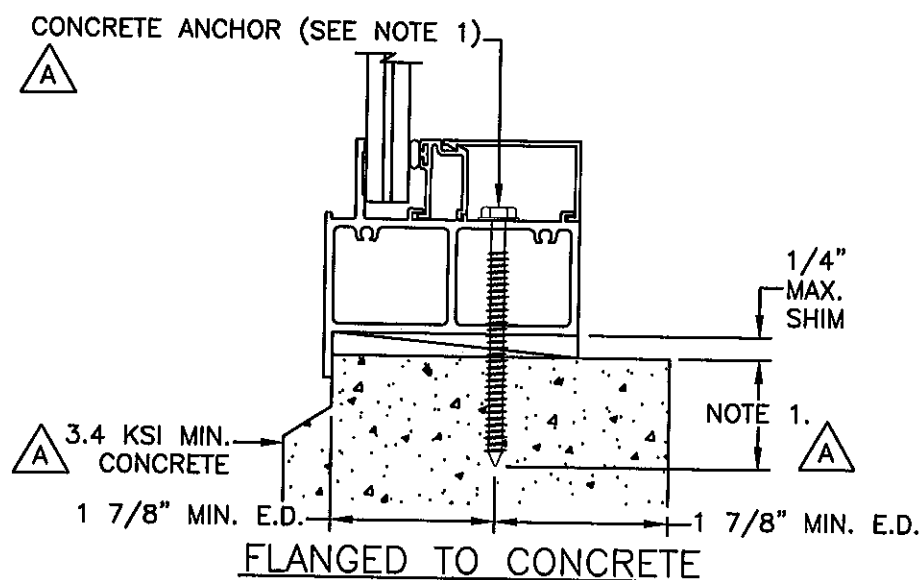
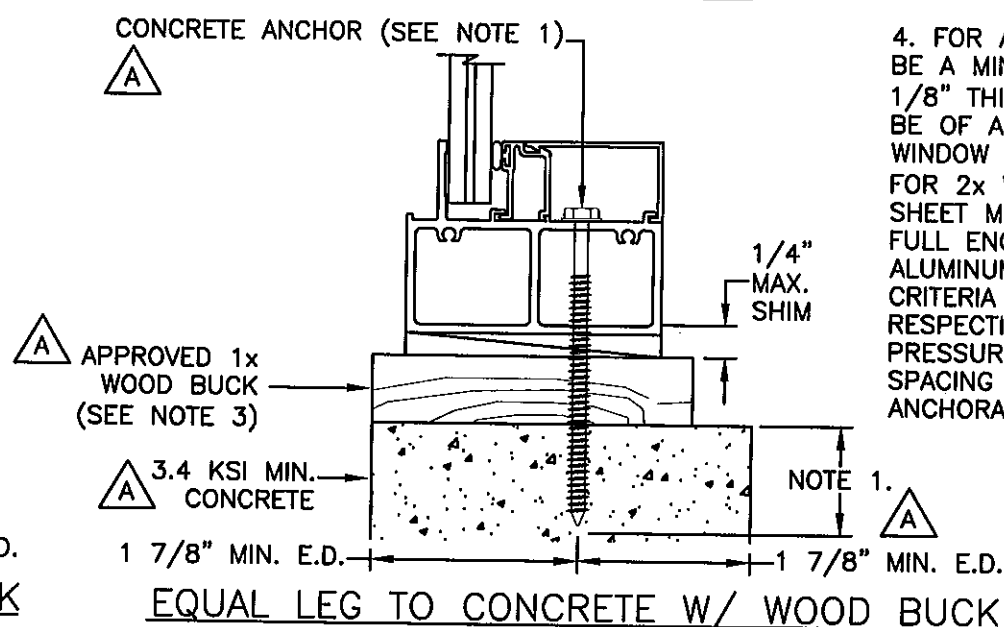
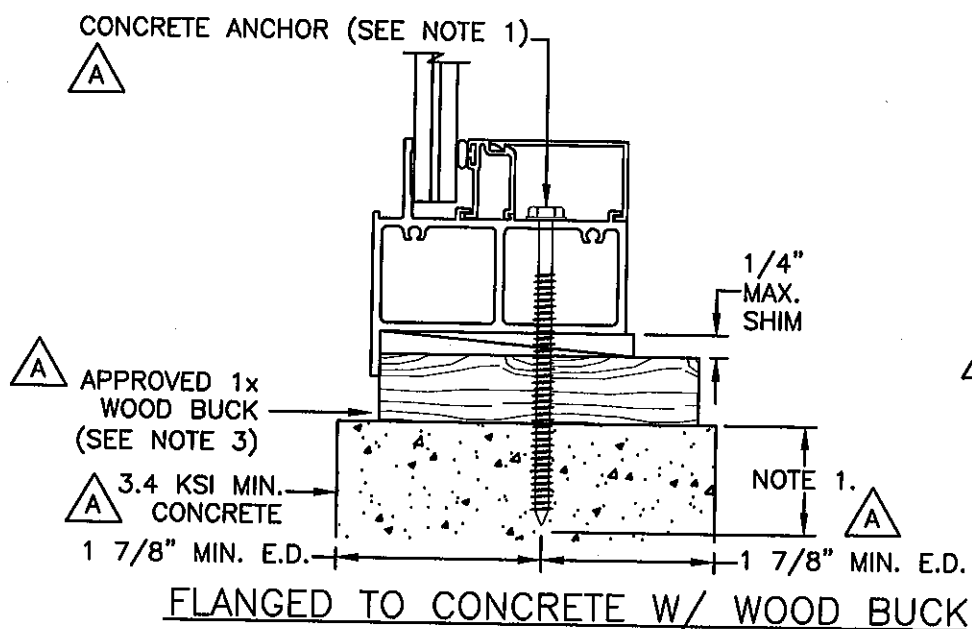


Description: EXTRUSIONS & PARTS LIST			
Title: MID-RISE ALUM. PICTURE WINDOW (SM. MISSILE)			
Series/Model: PW-820	Scale: NTS	Sheet: 5 of 6	Drawing No. 4246-5
			Rev: B

A. Lynn Miller, P.E.
P.E.# 58705



- NOTES:**
1. FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO 1/4" TAPCONS EMBEDDED 1 3/8" OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4". MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 7/8".
 2. FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 SCREWS OR 1/4" ELCO SS4 CRETE-FLEX.
 3. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
 4. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR CONCRETE ANCHORAGE MAY BE USED.



Revsd By:	Date:	Revisions:	
J.J.	11/19/11	B	NO CHANGE THIS SHEET
F.K.	4/12/07	A	UPDATE ANCHORAGE DETAILS AND NOTES
Drawn By:	Date:	Checked By:	Date:
F.K.	4/17/03		

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

PGT
Visibly Better

Description:	ANCHORAGE			
Title:	MID-RISE ALUM. PICTURE WINDOW (SM. MISSILE)			
Series/Model:	PW-820	Scale:	NTS	Sheet:
				6 of 6
Drawing No.	4246-5	Rev:	B	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1114-12
Expiration Date 07/24/2013
By *[Signature]*
Miami Dade Product Control

